

PRODUCTION OF LIGHT CONTROL PLATE

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Inventor: KAMIMURA YUKIKAZU; others: 05
Applicant: SUMITOMO CHEM CO LTD; others: 01
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Abstract of JP2280102

PURPOSE: To easily allow the selective scattering by the angle of a transparent member and the transmission at only the specific angle by forming a resin compsn. consisting of plural compds. having polymerizable carbon-carbon double bonds in the molecules having a difference in refractive index to a film shape and coating the resin with a film or sheet and irradiating the compsn. with UV rays from the direction of the film or sheet to cure the resin compsn.

CONSTITUTION: The resin compsn. consisting of plural mixtures of monomers or oligomers contg. ≥ 1 pieces of polymerizable groups, such as acryloyl group, methacryloyl group, vinyl group, and allyl group, in the molecules is made into the film shape by, for example, application, etc., on a substrate. The surface of the film-shaped compsn. is coated with the transparent film or sheet in tight contact therewith and thereafter, the resin compsn. is irradiated with the UV rays from the direction where the compsn. is coated with the film or sheet to cure the resin compsn. The degree of the scattering or the angle of the selectively scattering incident light can be adjusted by the resin compsn. to be used and the conditions for the irradiation. The selective scattering by the angle of the transparent member and the transmission only at the specific angle are easily executed in this way.

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